

MINUTES OF THE NUTRITION COORDINATING COMMITTEE (NCC) MEETING, NATIONAL INSTITUTES OF HEALTH (NIH)

Rockledge 2, Conference Room 9100-9104, Bethesda, MD

April 4, 2013 2:00 – 4:00 PM

WELCOME

Dr. Van Hubbard, Director of the NIH Division of Nutrition Research Coordination (DNRC), convened the meeting at 2:04 PM and welcomed participants. Phone participants included the following: CAPT Shirley Blakely, FDA; Dr. Rosalind Breslow, NIH NIAAA; Dr. Katrina Butner, ODPHP; Ms. Jean Charles-Azure, IHS; Dr. Amber Courville, NIH CC; Ms. Mary Cutting, NIDCR; Dr. Judy Hannah, NIH NIA; Ms. Michele Lawler, HRSA; Dr. Jessica Leighton, FDA; Dr. Samara Joy Nielsen, CDC NCHS; Dr. Mary Poos, FDA; Dr. Jenna Seymour, CDC DNPAO; Dr. Paul Sato, NIH NIAID; and Dr. Megan Singh, NIH NIDDK. The agenda for the meeting is provided as Appendix A and the list of attendees is provided as Appendix B.

APPROVAL OF MINUTES FROM THE MARCH 7, 2013 NCC MEETING

Minutes from the March 7, 2013 NCC meeting had previously been sent to NCC members via email. Dr. Hubbard asked if there were any other corrections to the minutes. There were none. Dr. Dan Raiten, *Eunice Kennedy Shriver* National Institute of Child Health and Human Development (NICHD) made a motion to approve the minutes, and Dr. Peter Greenwald, NIH National Cancer Institute (NCI) seconded the motion. The minutes were thus approved and will be posted on the DNRC website, <http://www.dnrc.nih.gov>, along with the minutes from the previous NCC meetings.

FORTY-FIVE YEARS LATER: THE INTERGENERATIONAL LEGACY OF CHILDHOOD MALNUTRITION

Janina Galler, MD, is a Senior Scientist at the Judge Baker Children's Center in Boston, MA and Professor of Psychiatry at Harvard Medical School. Dr. Galler is also the Director of the Barbados Nutrition Study (BNS), a unique 40-year longitudinal study that has followed the behavioral and health outcomes over the lifespan of individuals with histories of infant malnutrition and a matched control group who were classmates of the original sample. Dr. Galler presented an overview of the study as well as preliminary results looking at the intergenerational effects of malnutrition.

The children recruited to the BNS were born between 1967 and 1972 and had normal birth weights. They subsequently experienced moderate to severe malnutrition in the

first year of life but had no further malnutrition after that. Children were treated for their malnutrition at the National Nutrition Centre in Barbados and then enrolled in a government-supported intervention program from infancy until 12 years of age. These children were matched with healthy controls and followed into adulthood. The previously malnourished children eventually caught up to the controls in terms of physical growth but displayed persistent deficits in cognition and attention, extreme personality traits and disorders, and a decline in social status. In addition, previously malnourished children displayed increased neuroticism, addictions, and depressive symptoms as well as a higher prevalence of obesity and metabolic syndrome, especially among women.

Dr. Galler is currently studying the transgenerational effects of childhood malnutrition. Preliminary results indicate that the effect of malnutrition persists into the next generation. For example, the offspring (G2 generation) of previously malnourished mothers also exhibit attention deficits and present the same personality profile identified in the original cohort. Cognitive effects also persist, though there is some improvement in G2. Dr. Galler and her team are exploring potential epigenetic mechanisms that may explain these continuing adverse effects. Because epigenetic changes are potentially reversible, identifying an epigenetic mechanism is of significant clinical relevance, underscoring the potential far-reaching public health benefits of this research.

OFFICE OF DISEASE PREVENTION AND HEALTH PROMOTION (ODPHP) UPDATE

Ms. Holly McPeak provided the following updates on behalf of ODPHP:

Dietary Guidelines for Americans

On April 3rd a training day was held for the three teams that will support the 2015 Dietary Guidelines Advisory Committee. The three teams are the Dietary Guidelines Management Team, Nutrition Evidence Library Team, and Data Analysis Team, which include staff from ODPHP, NIH, NCI, FDA, and CDC of HHS and CNPP, ARS, and ERS of USDA. The training included background on the respective agencies leading the work, the Federal Advisory Committee Act, Nutrition Evidence Library and systematic review methodology, Food Pattern Modeling, and data analyses expected to be requested by the upcoming Committee. Many of the individuals who participate in NCC will be staffing the DGAC; ODPHP appreciates their time and looks forward to working closely with them through this process.

The Departments are awaiting appointment of the 2015 Dietary Guidelines Advisory Committee by Secretary Sebelius and Secretary Vilsack. After the appointments are

made, they will be announced in a Press Release and posted on www.DietaryGuidelines.gov. This website has recently been updated with the Committee charter signed by the Secretary and with a printable timeline for the 2015 Dietary Guidelines process. The first meeting of the Committee is planned for the spring/summer and will be announced in the Federal Register at least 15 days in advance of the meeting or sooner. The announcement of the first meeting will also open the written public comment process through which the public can submit comments to the Committee for consideration.

Physical Activity Guidelines:

As presented last month, the *Physical Activity Guidelines for Americans Midcourse Report: Strategies to Increase Physical Activity* was released last month at the Partnership for a Healthier America Summit. The report outlines successful intervention strategies to increase physical activity among youth where kids live, learn, and play. The report was released with an accompanying infographic highlighting opportunities for youth to engage in physical activity throughout the day and a handout of the youth physical activity guidelines. All materials can be downloaded from the PAG website at www.health.gov/paguidelines.

Legislation was introduced on March 12 by Senators Harkin and Wicker to mandate the Physical Activity Guidelines on a 10 year cycle, with a 5-year midcourse update to highlight best practices and continuing issues related to physical activity, similar to what we just did with the PAG Midcourse Report. Additional information here:

<http://www.help.senate.gov/newsroom/press/release/?id=a9ddd370-bdef-4c2c-8040-e45097963b42>


Last fall, ODPHP formed a communications group from across the Federal Government to assist in the development and creation of the infographic and key messages of the PAG Midcourse Report. This group is led by ODPHP and the President's Council on Fitness, Sports, & Nutrition and includes representation from NIH/NHLBI CDC, USDA, Dept of Ed, DoD, HRSA, ACF, OSG, ACL, Let's Move Childcare, among others. ODPHP is continuing to work with this group to get out messages about the Physical Activity Guidelines and the PAG Midcourse Report and will be re-amplifying their messages for May, which is National Physical Fitness and Sports Month.

Healthy People:

Healthy People eLearning has officially launched!

<http://healthypeople.gov/2020/learn/HealthyPeopleELearning.aspx>

Healthy People eLearning is an online educational resource designed to help students and health professionals learn how to reach our Nation's health goals. All educational offerings feature a case study of a community working to achieve Healthy People 2020 objectives and provide free [continuing education](#). Educational offerings will take participants beyond the data to explore the challenges, successes, and processes involved in creating and sustaining healthier communities.

You can also continue the conversation and problem-solve around what you learned with other students and health professionals in the [Healthy People eLearning LinkedIn subgroup](#) . Check this page regularly for announcements and new educational offerings.

Latest Lessons and Events: Participate in the [Healthy People eLearning lesson](#), “Defining Success in a Systems Approach: The San Diego County Childhood Obesity Initiative.” Find out how one community is using a cross-sector approach to address childhood obesity. Upon completion of this lesson, participants can receive [continuing education](#).

DATA2020: DATA2020, the recently launched Healthy People 2020 interactive data tool, allows users to explore the data and technical information across Healthy People 2020 objectives. The goal of DATA2020 is to make data accessible for all types of Healthy People users. After conducting a custom search, users will be able to download the latest data and graphically display the chosen data.

Objectives Search: With the Healthy People 2020 Objectives Search, users are able to search across Healthy People objectives to find just what they are looking for. We've developed this advanced search feature to allow users to create a custom query based on their work and interests.

Evidence-Based Resources Advanced Search: The goal of this tool is to provide stakeholders with evidence-based resources and interventions for achieving Healthy People 2020 objectives. The evidence-based resources search tool compiles evidence-based resources identified by HHS subject matter experts and allows users to create a custom search to find evidence-based resources relevant to their work. Users can search by Topic Area and objective as well as a variety of other search areas, such as race and ethnicity, resource type (e.g., systematic review, randomized controlled trial), age range, setting, and many more.

OFFICE OF DIETARY SUPPLEMENTS (ODS) UPDATE

Dr. Christine Swanson provided the following updates from ODS:

- The deadline for the next round of ODS grant co-funding submissions is April 30.
- The last ODS seminar of the spring series will be held on May 8th. Dr. Shrikant Anant, University of Kansas Cancer Center, will be giving a presentation entitled, "Targeting Cancer Stem cells: Are Natural Products Just Smarter?"
- Several members of the ODS staff will be participating in the 2013 Experimental Biology meeting. A list of all the activities that staff will be engaged in will be posted on the ODS website prior to the meeting (<http://ods.od.nih.gov/>)

REPORTS FROM NCC MEMBERS AND LIAISONS

- Dr. Dan Raiten, NICHD, informed those who are attending EB later this month that there will be a session on the B-24 Project, *Evaluating the Evidence Base to Support the Inclusion of Infants and Children from Birth to 24 Months in the Dietary Guidelines*, which will take place on Saturday, April 20th from 12:45-2:45. The session will be introduced by Congressman Jim McGovern.
- A session about nutrition research initiatives at USDA's National Institute of Food and Agriculture will also be held at EB on Sunday, April 21 from 12:45-2:45.
- Ms. Sara Hursen, NCI, asked liaisons from other agencies to share what their organizations are doing in terms of worksite wellness. She is conducting research for a subcommittee of the NIH Health and Wellness Council. Contact: hursens@mail.nih.gov
- Ms. Jean Charles-Azure, Indian Health Service, provided a link to their Way of the Circle curriculum: http://www.ihs.gov/Nutrition/index.cfm?module=dsp_ndtp_training. The intent of Way of the Circle training is to prevent pre-diabetes and diabetes through healthier eating and physical activity.
- Dr. Hubbard provided two announcements on behalf of Dr. Namanjeet Ahluwalia from NCHS:
 - 1) Beginning April 1, 2013 (when Dr. Sondik retired), Charles J. Rothwell will serve as Acting Director of NCHS. Recently selected as a Top Leader in Federal Service, Charlie has already earned distinction as Director of the Division of Vital Statistics at NCHS.

- 2) Dr. Kathryn Porter has been appointed as the new Director of NHANES (beginning April 1). She served as a Medical Officer in NHANES for numerous years and has led many projects in the Division. NCHS looks forward to her continued leadership in NHANES as Director.

STRATEGIES TO INVIGORATE NUTRITIONAL SCIENCES RESEARCH

In light of the reconstitution of the Interagency Committee on Human Nutrition Research (ICHNR), this is an opportune time to explore strategies that will invigorate nutritional sciences research. Dr. Hubbard will be convening a workgroup to discuss efforts to elevate the importance of nutrition at NIH and to explore ways of encouraging applications in areas with identified research gaps. Potential priority areas include pre/probiotics, the microbiome, nanotechnology, and the role of nutrition in the prevention of disease. Dr. Raiten, NICHD, also emphasized the 1000 Day Period as an important priority. If you are interested in being part of this group, contact Dr. Hubbard (hubbardv@mail.nih.gov).

CURRENT DNRC UPDATE OF ACTIVITIES

Nutrition Education Subcommittee (NES):

The NES reviews nutrition education materials for consistency with the *Dietary Guidelines for Americans (DGAs), 2010*.

NES Chair, Dr. Margaret McDowell, NIH/DNRC, reported that the NES has not received any new dietary guidance review requests since the March NCC meeting.

NEXT NCC MEETING

The next regularly scheduled NCC meeting will be on May 2, 2013.

ADJOURNMENT

The meeting was adjourned at 4:07 PM

LIST OF APPENDICES

Appendix A: NIH NCC Meeting Agenda for April 4, 2013

Appendix B: NIH NCC Meeting Attendees for April 4, 2013

APPENDIX A: NIH NUTRITION COORDINATING COMMITTEE MEETING AGENDA

Thursday, April 4, 2013

2:00 – 4:00 pm

Rockledge 2, CR#9100-9104

1. **Welcome**.....Van Hubbard, DNRC
2. **Approval of Minutes of March 7, 2013 Meeting**Van Hubbard, DNRC
3. **Scientific Presentation: “Forty-Five Years Later: The Intergenerational Legacy of Childhood”**.....Janina Galler, Harvard Medical School
4. **ODPHP Update**.....Holly McPeak, ODPHP
5. **ODS Update**Christine Swanson, ODS
6. **Reports from NCC Members and Liaisons** NCC Members
7. **Strategies to Invigorate Nutritional Sciences Research**.....Van Hubbard, DNRC
8. **Current DNRC Update of Activities**..... DNRC Staff
 - Nutrition Education Subcommittee Update.....Margaret McDowell*
 - International Committee Information.....Pam Starke-Reed/Dan Raiten
 - HNRIM Update.....Jim Krebs-Smith/Karen Regan
 - PPWGCrystal McDade-Ngutter
 - Wellness WorkgroupRachel Fisher/Margaret McDowell
9. **Next Meeting – May 2, 2013**

* Updates will be included in the minutes of the meeting only

APPENDIX B: NCC MEETING ATTENDEES FOR APRIL 4, 2013

Agencies, Institutes, Centers, and Divisions	Members Present	Members Absent	Alternates Present	Other Individuals Present
DNRC Director	V Hubbard			
DNRC Deputy-Director	P Starke-Reed			
NIH MEMBERS				
NCI		S Ross		P Greenwald; S Hursen; E Trujillo
NHLBI	K McMurry			A Ershow
NIDCR	M Cutting			
NIDDK	R Kuczmarski			M Singh; R Tilghman
NINDS		M Mitler		
NIAID	P Sato			
NIGMS		S Somers		
NICHD		G Grave	D Raiten	F Ashour
NEI		S Gordon		
NIEHS		K Gray		
NIA	J Hannah			
NIAMS		X Wang		
NIDCD		B Wong		
NIMH		M Chavez		
NIMHD		D Tabor		
NIDA		G Lin		
NIAAA	R Breslow			
NINR	P Cotton			
NCCAM		L Duffy		
FIC		M Levintova		
NHGRI				
NIH LIAISONS				
CC	A Courville			
CSR	R Garofalo			
NLM		M Corn		
OBSSR		D Sampson		
ODS		P Coates		C Swanson
OD/ODP		B Portnoy		
PRCC		D Stredrick		
AGENCY LIAISONS				
AHRQ		I Mabry-Hernandez		
CDC/NCCDPHP		K Scanlon		J Seymour
CDC/NCHS		N Ahluwalia		S Joy Nielsen
FDA	M Poos		S Blakely	J Leighton
HRSA	M Lawler			
IHS		T Brown	J Charles-Azure	

Agencies, Institutes, Centers, and Divisions	Members Present	Members Absent	Alternates Present	Other Individuals Present
ODPHP	H McPeak			K Butner; S Goodwin
USDA/ARS		D Klurfeld		
USDA/NIFA		D Chester		
DOD				

Guests: Janina Galler, Harvard Medical School

DNRC: Y Chow; R Fisher; S Fleischhacker; K Friedl (special volunteer), J Krebs-Smith; C McDade-Ngutter; M McDowell; K Regan